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*except*

*attached  
with file  
2.7795(1)*

*155*

March 1, 1974

H. D. Thornburg, Chief, Field Support and Enforcement Branch  
Directorate of Regulatory Operations, Headquarters

*invent*

DIRECTORATE OF REGULATORY OPERATIONS NOTIFICATION OF AN INCIDENT OR  
OCCURRENCE - KERR-McGEE PLUTONIUM MATERIAL UNACCOUNTED FOR QUANTITY

The attached communication concerning the results of the licensee's  
February, 1974 plutonium inventory is forwarded with the recommendation  
that it be issued as a "Blue Sheet."

J. A. Hind, Chief  
Materials and Plant  
Protection Branch

Enclosure:  
as stated

8609090238 860815  
PDR FOIA  
CANTREL86-281 PDR

*Transmitted by Reg Card 3/1/74  
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OFFICE ▶	RO:III					
SURNAME ▶	Hind/dee <i>gth</i>					
DATE ▶	3/1/74					

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No. \_\_\_\_\_

DIRECTORATE OF REGULATORY OPERATIONS  
NOTIFICATION OF AN INCIDENT OR OCCURRENCE

Facility: Kerr-McGee Nuclear Corporation  
Cimarron Facility - Plutonium Plant  
Crescent, Oklahoma

Problem: SIGNIFICANT MATERIAL UNACCOUNTED FOR (MUF) QUANTITY

On February 28, 1974, RO Region III was notified by Kerr-McGee by telephone that the February monthly plutonium physical inventory indicates a MUF loss quantity of 11.5 kilograms Pu with limits of error of 8.4 kilograms Pu. (The limits of error quantity exceeds the technical specification of 1.5 kilograms Pu.) The MUF quantity is significant because (1) it exceeds the associated limits of error, and (2) the January 1974 inventory MUF quantity was also a loss (6.5 kilograms Pu). Investigation by the licensee has failed to reveal exact causes of the significant MUF quantity.

In a telephone conversation, being confirmed in writing by Region III, the licensee is taking the following actions:

1. Fabrication of fuel has been stopped and a new inventory is being conducted - inventory started on March 1, 1974.

...ication of fuel will not be resumed until the MUF is resolved to the  
...isfaction of the licensee and RO:III.

by Regulatory Operations:

...is following the actions being taken by the licensee. An inspector  
...at the site.

...ress release has been made; however, the AEC-CH Public Information Offi  
...are of the problem.

...man Ray's Special Assistant, Commissioner Doub's Technical Assistant,  
...issioner Larson's Technical Assistant, Commissioner Anders'  
...orary Assistant, Commissioner Kriegsman's Assistant, and the Office of  
...ation Services have been informed by telephone.

Further information concerning this occurrence can be obtained

... Bryan - Ext 7353

... D. Thornburg - Ext 7353

... G. Davis - 7541

[REDACTED]